

**In the Specification**

Please amend the paragraph [0032] of the Specification as follows:

Referring to Fig. 3, an exemplary graph illustrating a target amplitude versus total echo train time relationship is shown. Curve ~~90-97~~ shows the relationship between target amplitude and total echo train time for white matter at 3 Tesla with a  $T1 = 1000$  ms and a  $T2 = 100$  ms and EST equal to 4 milliseconds. From this target amplitude and EST relationship, a given target amplitude and a corresponding total echo train duration time may be found, and vice-versa.

Please amend the paragraph [0033] of the Specification as follows:

Referring back to Fig. 2, total echo train duration time for the input parameters is selected at 78 as is the target amplitude corresponding to the echo train duration from curve ~~90-97~~. An echo target train is created at step 82. The echo target train defines the amplitudes of the echoes to be sampled during the total echo duration time. To reduce ringing artifacts, it is preferred to acquire MR data when the maximum amplitude for the echoes is substantially uniform, i.e. equals the target amplitude.